



3DEXPERIENCE®

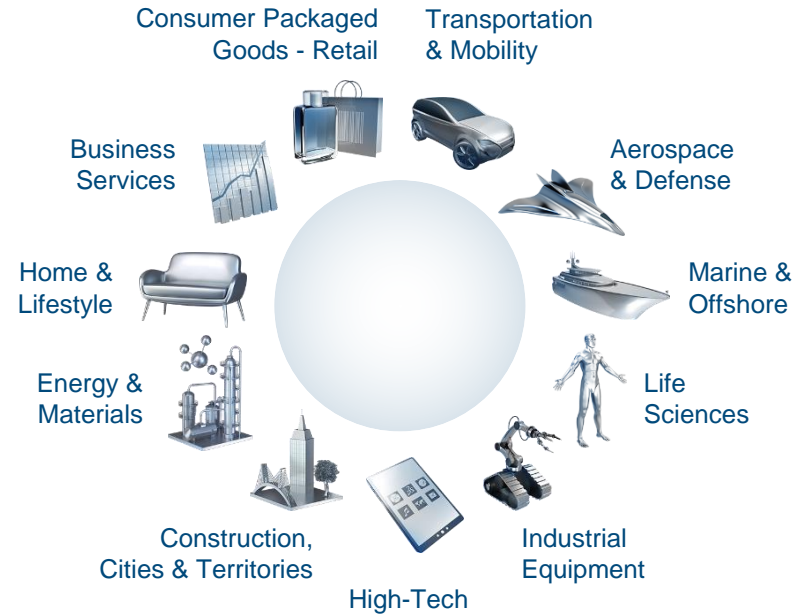
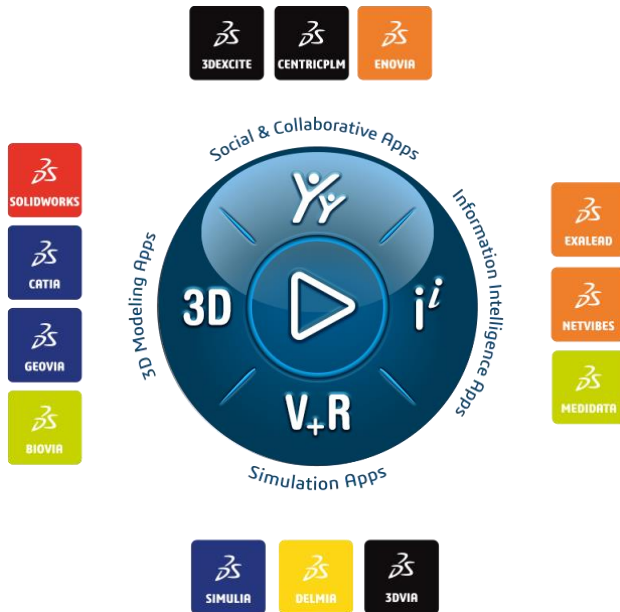
A patient-centric model for health

Société Générale Expert Event, March 4 2021

Claire Biot, PhD, VP Life Sciences Industry

3DEXPERIENCE® powers our brand applications...

...for 11 industries



Our belief

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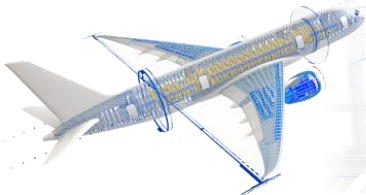
Virtual worlds **extend**
and **improve** the
Real world

From Things to Life

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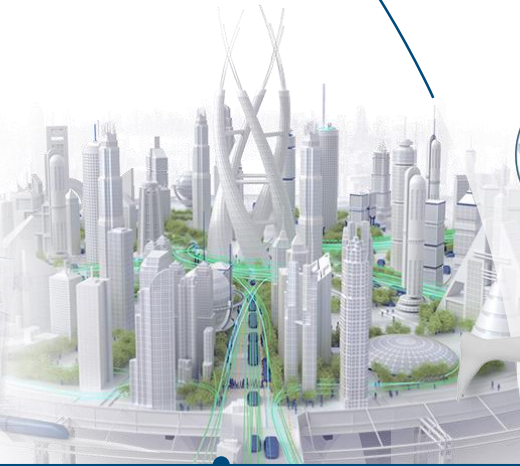
1981
**3D
Design**



1989
**3D DMU
Digital
Mock-up**



1999
**3D PLM
Product Lifestyle
Management**



2012
**3DEXPERIENCE®
platform**



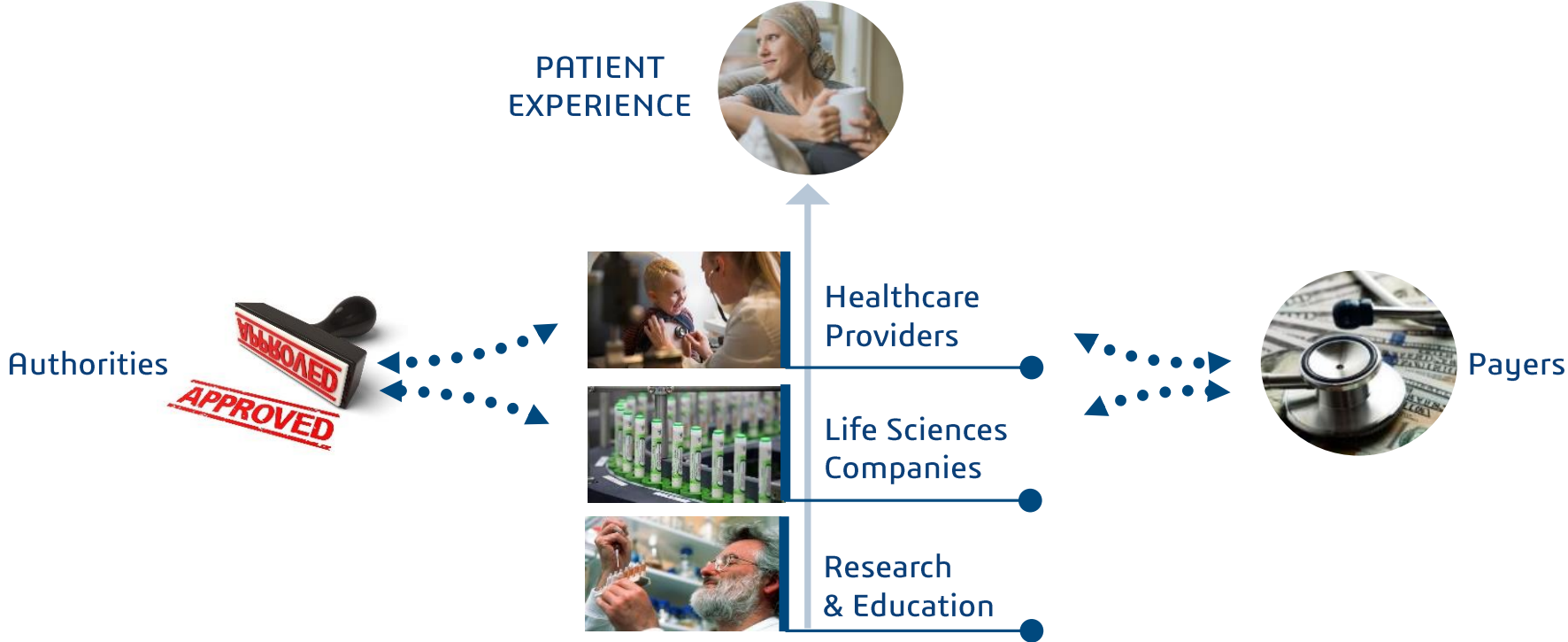
2020
**Virtual Twin
Experience
of Humans**





Where the industry is headed

The Healthcare Ecosystem



Healthy in 2040



Personalized Food
for health &
wellness



Continuous
Monitoring



Prevent,
Not Treat



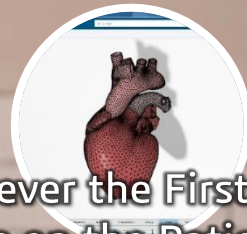
No Decision About Me
Without Me



Doctors as
Health Advisors



Health Coverage
for All



Never the First
Time on the Patient



Next-Gen Precise
Therapies



Continuous
Health Journey

What Do Our Customers Value The Most?

#PrecisionHealth



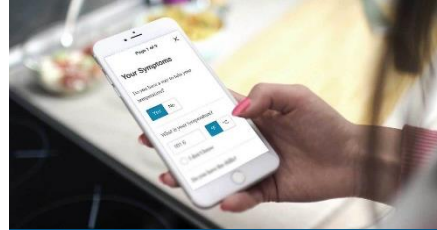
How do I improve my understanding of disease & patient needs?

#PatientExperience



How do I improve comfort & usage for the end-user (healthy citizen, patient, physician)?

#OutcomeBased



How do I demonstrate value to regulators, payers, physicians & patients?

#Portfolio



How do I make better & faster GO / NO GO decisions?

#Collaboration



How can I share, improve & extend knowledge & know-how across my value network?

#OperationalExcellence



How do I improve agility & productivity across development, manufacturing & logistics?

#TotalQuality



How do I leverage quality as an asset, not a constraint?



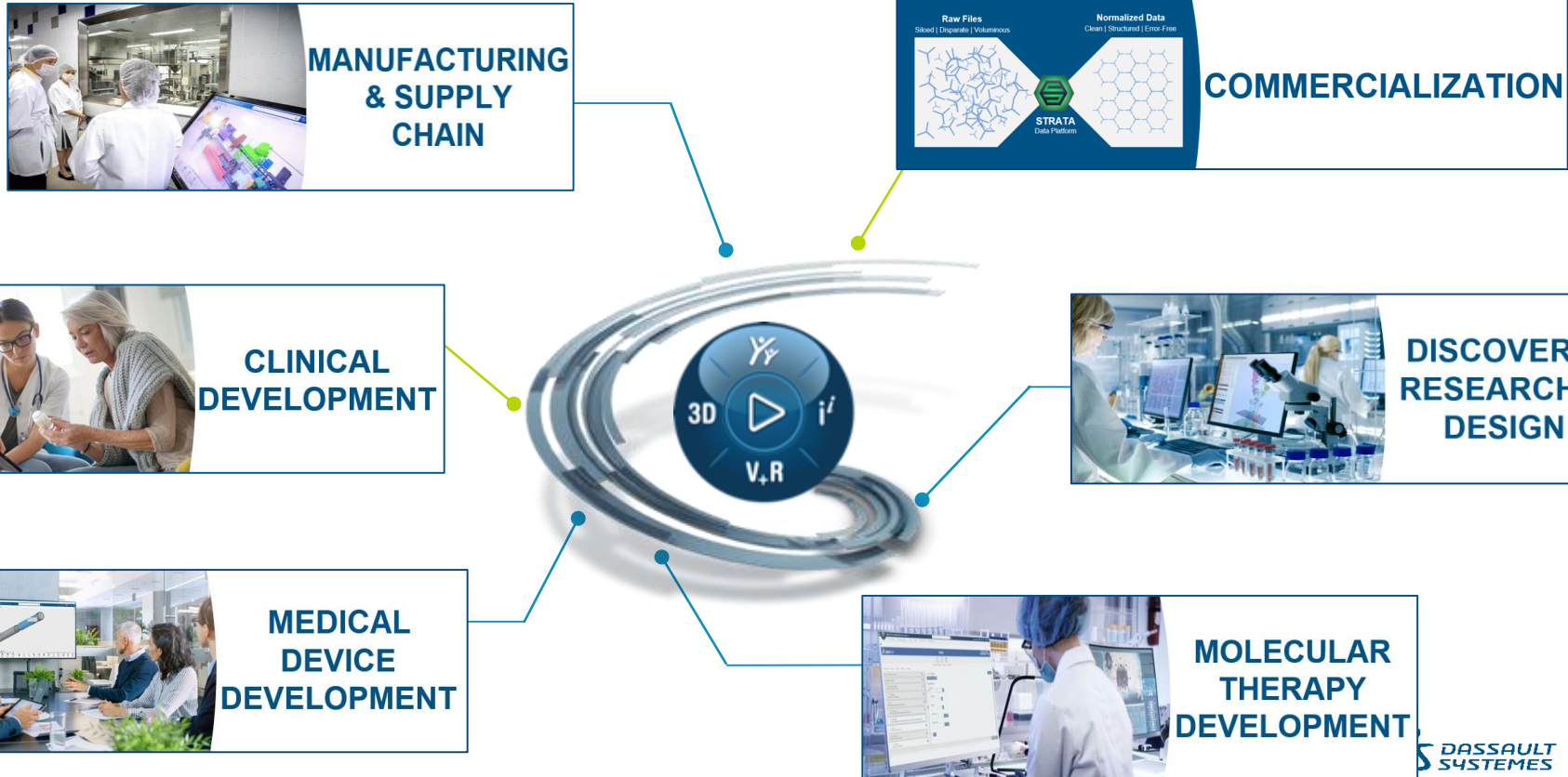
What we stand for

What Do We Stand For?

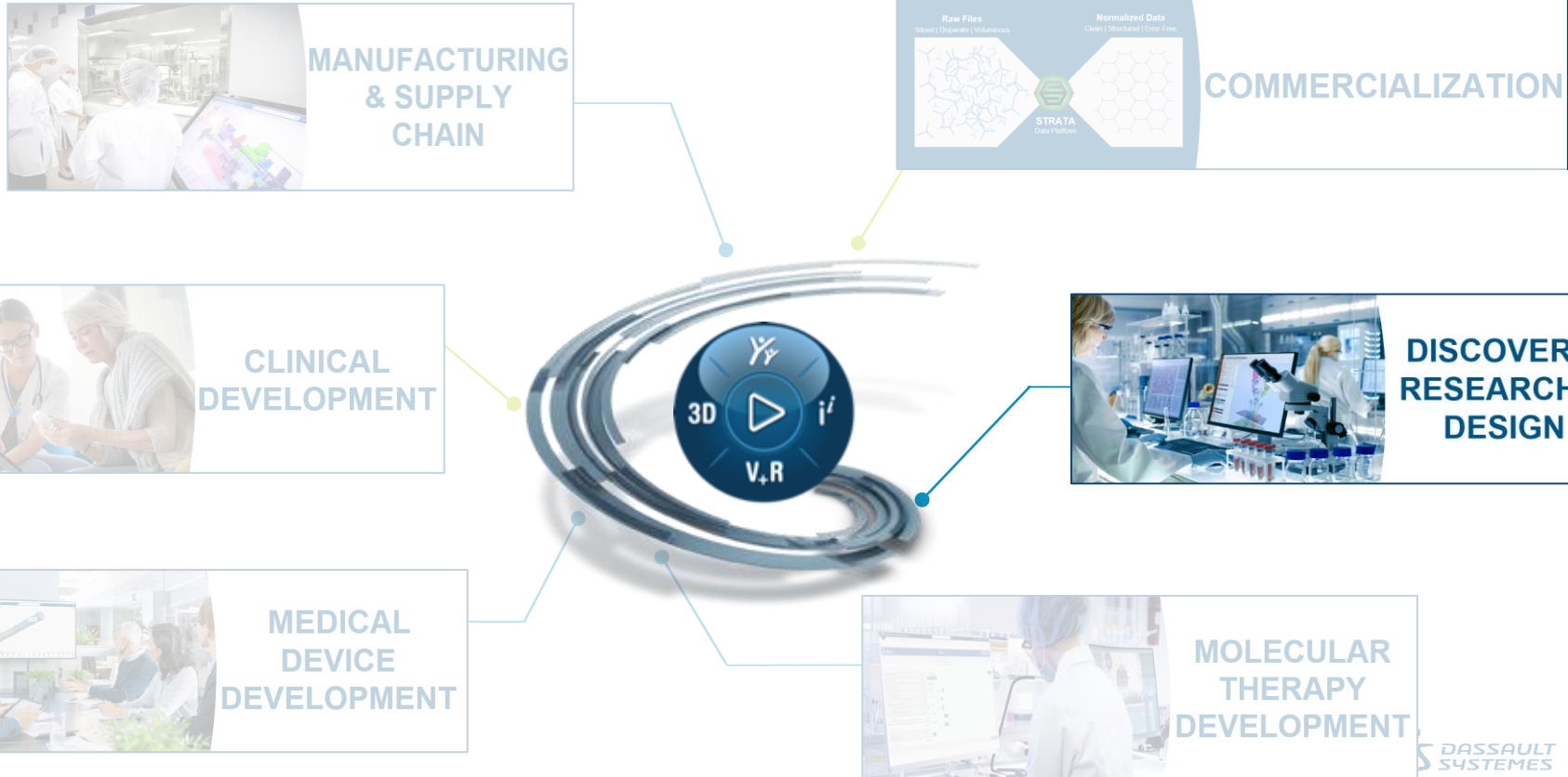
We provide **Life Sciences** companies & professionals with a **scientific and business platform** to imagine **sustainable innovations**, capable of improving **patient & physician experience** in the age of **precision medicine**.



The Business & Scientific Platform in the Age of Precision Medicine



The Business & Scientific Platform in the Age of Precision Medicine



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DISCOVERY, RESEARCH & DESIGN

- **Unify modeling & testing** to accelerate the discovery of high-quality novel therapeutics
- Make **science social** and ease access to research data across the **R&D network**



The Business & Scientific Platform in the Age of Precision Medicine





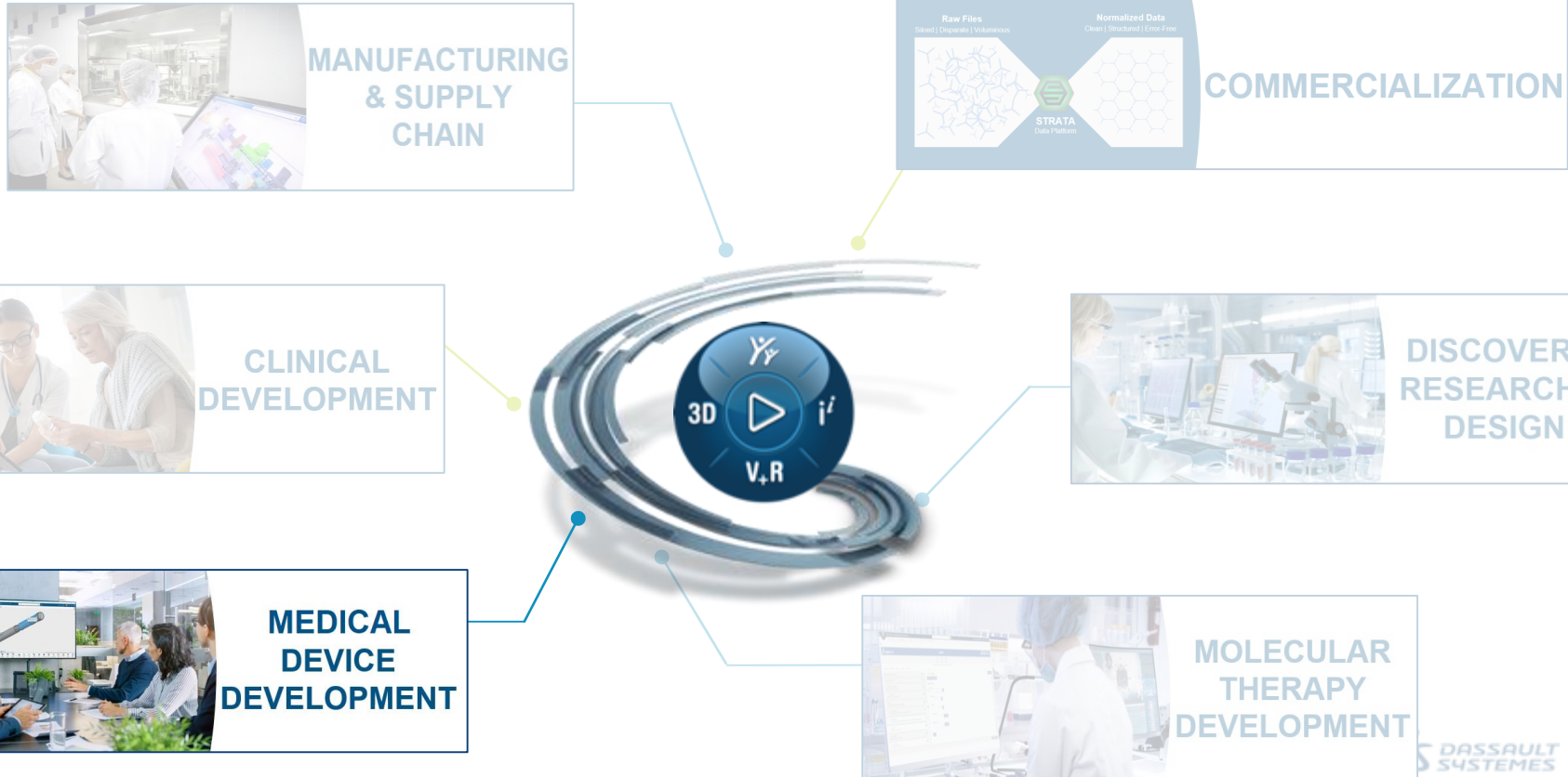
3DEXPERIENCE

MOLECULAR THERAPY DEVELOPMENT

- Transform **laboratory efficiency, compliance and collaboration** for **faster scale-up and tech transfer**
- Achieve enterprise-wide **data integrity** for **total quality and compliance**



The Business & Scientific Platform in the Age of Precision Medicine

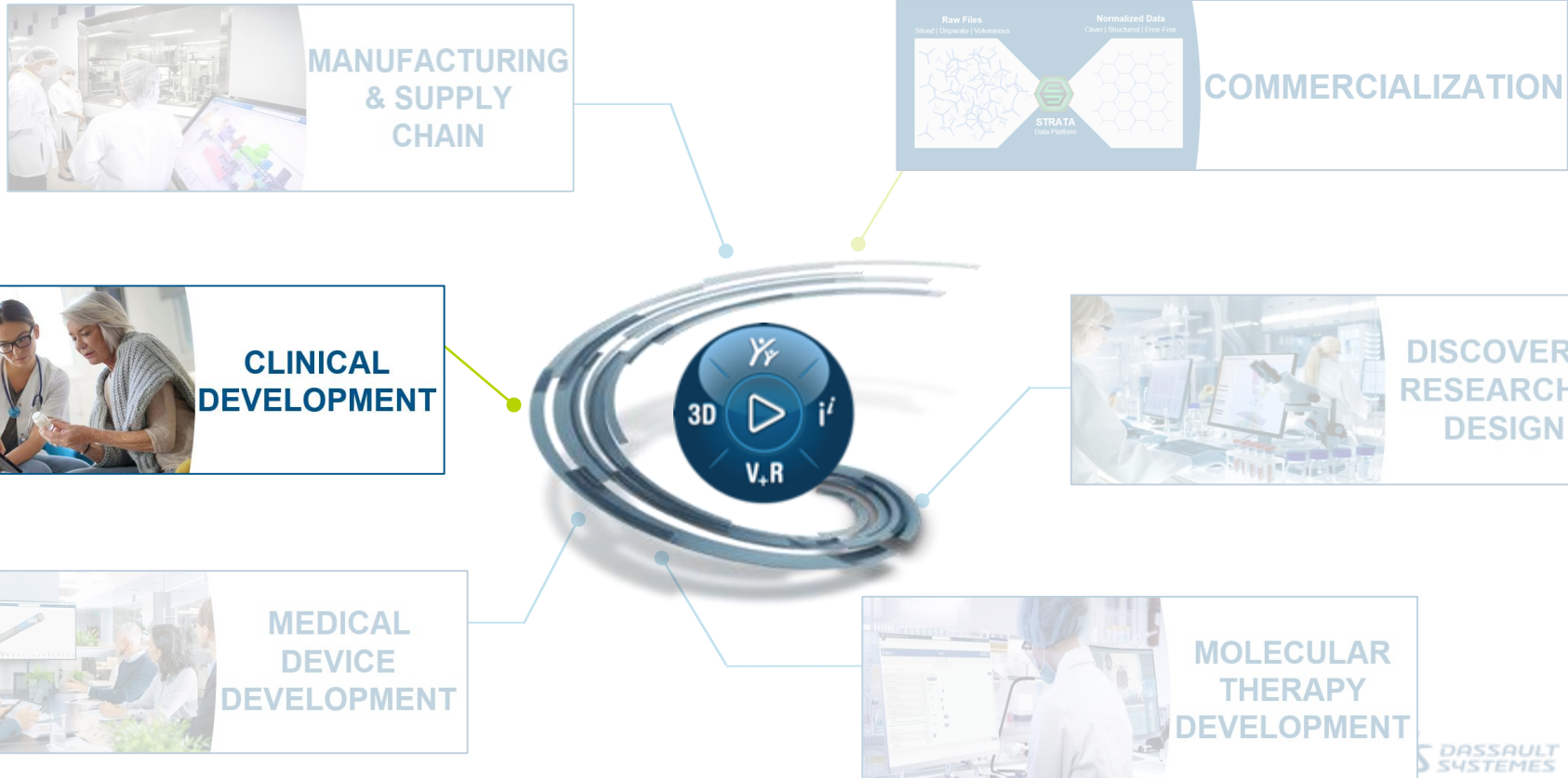


MEDICAL DEVICE DEVELOPMENT

- Develop safe and effective medical devices with **collaborative design and simulation**
- Achieve enterprise-wide **data integrity** for **total quality and compliance**



The Business & Scientific Platform in the Age of Precision Medicine



CLINICAL DEVELOPMENT

- Re-imagine **trial design, management & execution**, leveraging **data** to accelerate value, reduce risk and optimize outcome
- Foster **patient-centric trials** with remote connected participants

moderna[®]



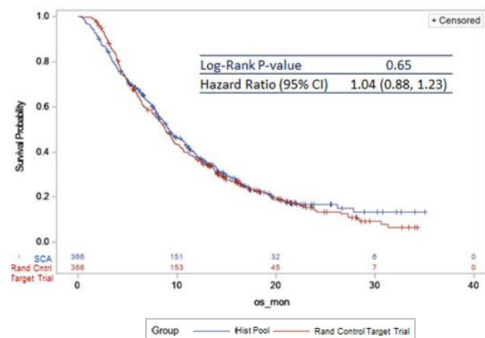
Medidata is Synonymous With Leadership In The Advancement And Development Of Synthetic Control

Robust Methodology

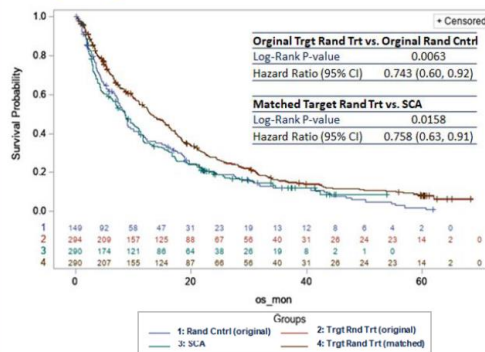
Industry Relevance

FDA & Friends of Cancer Research Working Group:
Acorn AI's Synthetic Control Arm™ matches results of randomized standard-of-care arms

SCA mimics overall survival of docetaxel control in stage III and IV Non Small Cell Lung Cancer



SCA mimics overall survival of dexamethasone control & provides similar treatment effect in RR Multiple Myeloma



- SCA supported by FDA for a registrational Phase 3 trial in recurrent Glioblastoma



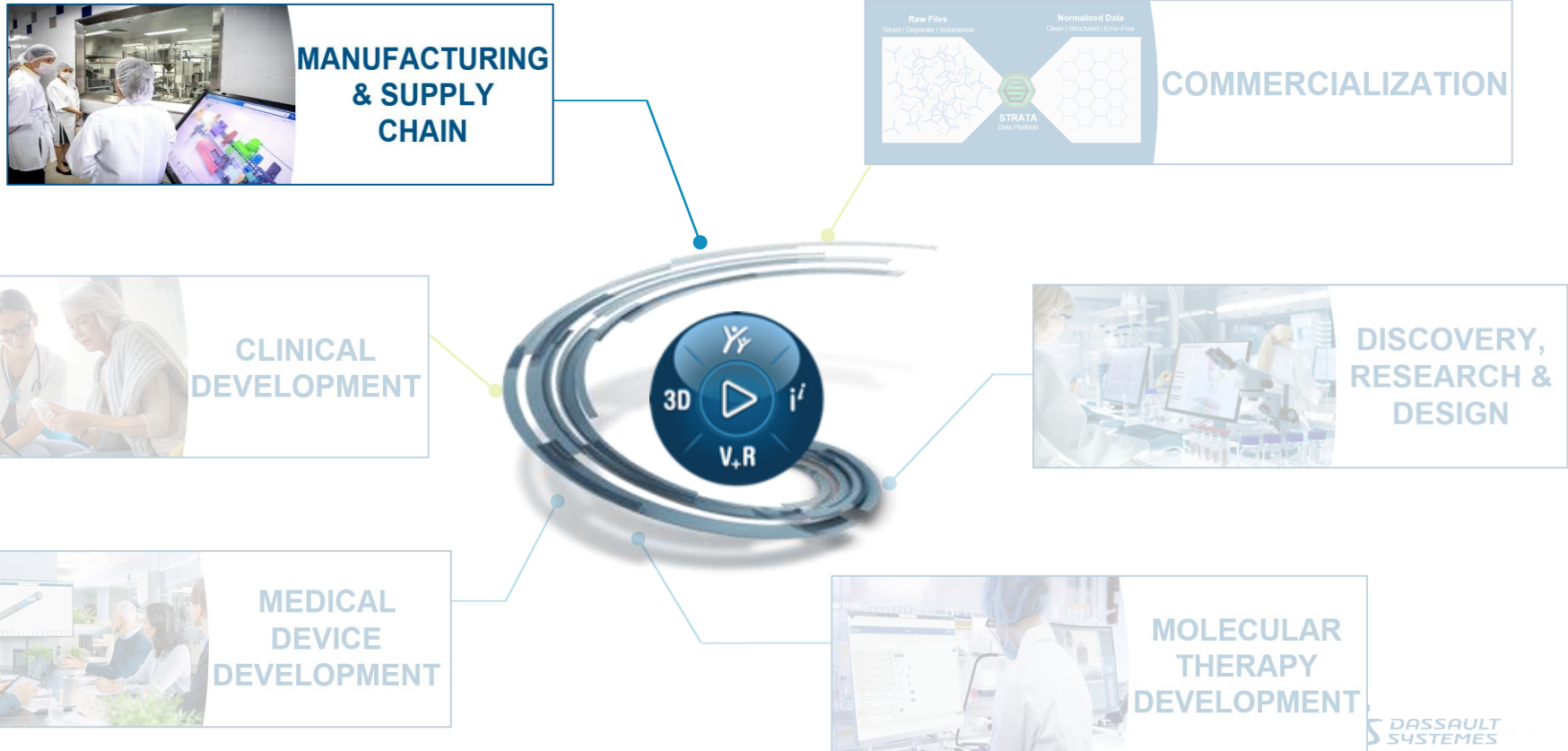
SCA • Medicenna • Press Release • Medicenna Synthetic Control Arm S.

Medidata Synthetic Control Arm Supported by the US Food and Drug Administration for Use in Medicenna Therapeutics, Corp. Phase 3 Registrational Trial in Recurrent Glioblastoma

This is a precedent setting acceptance of a hybrid external control (combining synthetic control arm patients with randomized patients) in a phase 3 trial in an indication that previously used traditional randomized controls.



The Business & Scientific Platform in the Age of Precision Medicine



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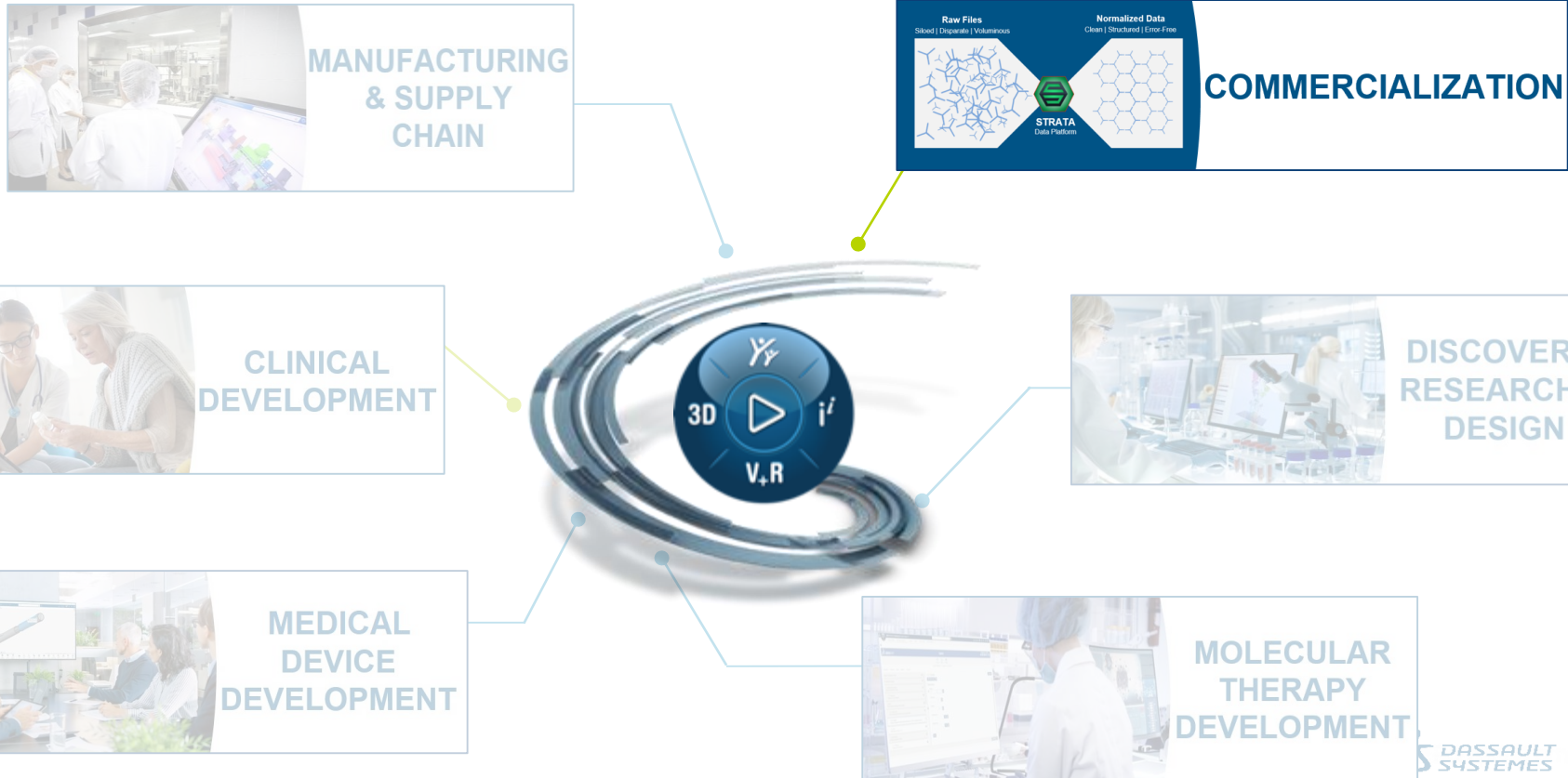


MANUFACTURING & SUPPLY-CHAIN

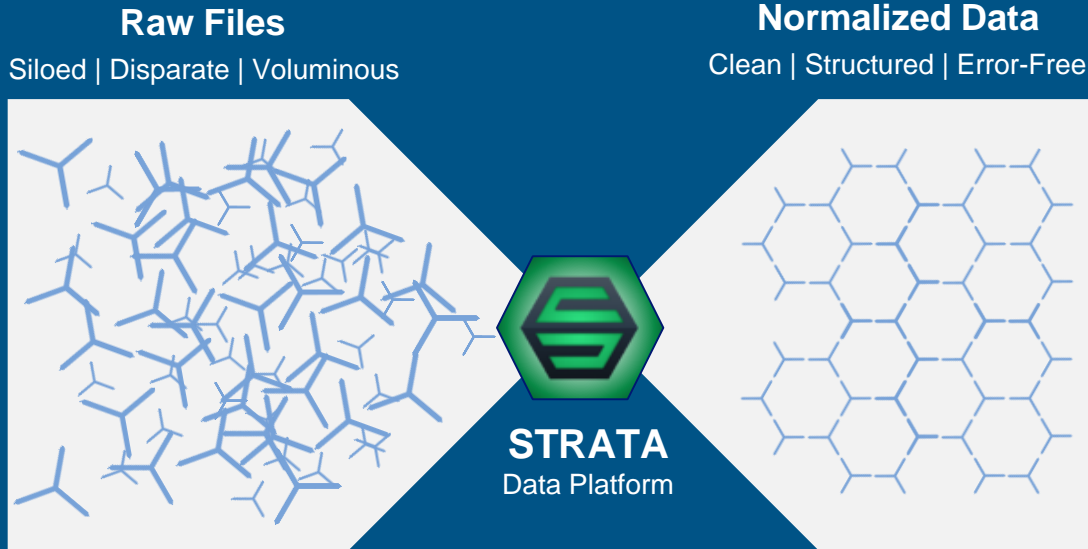
- Boost **agility and performance** of **global manufacturing** operations to produce high-quality medicines or medical devices

Anonymized examples

The Business & Scientific Platform in the Age of Precision Medicine



Unified clinical and commercial data on a single cloud platform that you control

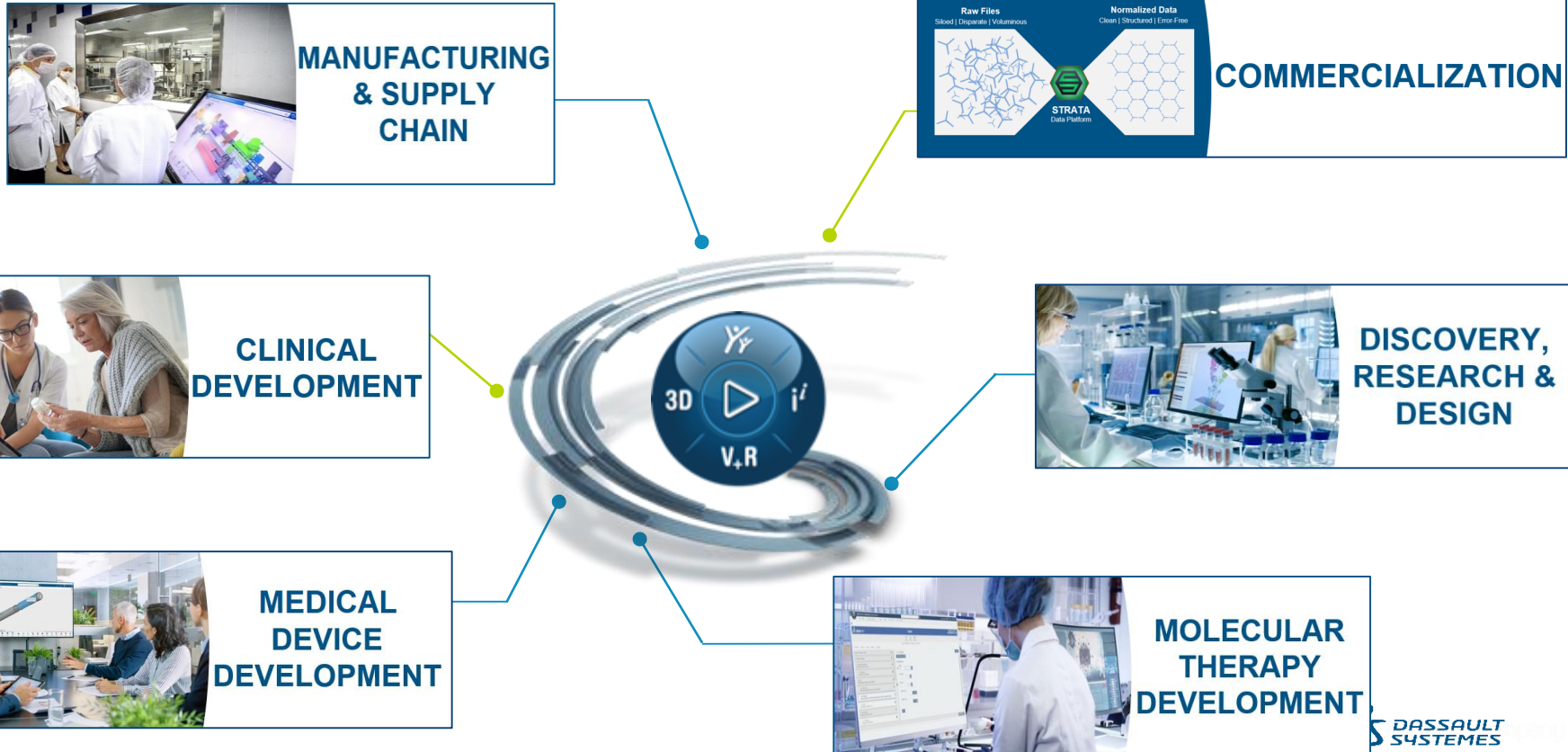


COMMERCIALIZATION

- Unified **clinical and commercial data** on a single cloud platform
- An **out-of-box** platform, reporting and ad-hoc analytics
- **Accelerate** launch to peak performance

An oncology-focused pharma

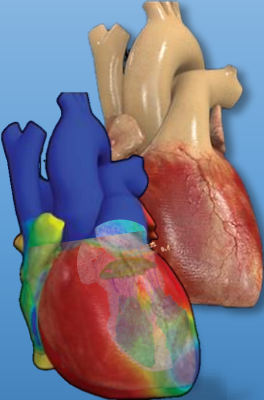
The Business & Scientific Platform in the Age of Precision Medicine



Towards the Virtual Twin Experience of Healthcare

Living Heart paves the way for the Virtual Twin Experience of the Human Body

Science First



Collaboration Driven



Forward Looking

Towards New Experiences



A new Level of Virtual Experimentation

Multi Discipline

Bio Sciences

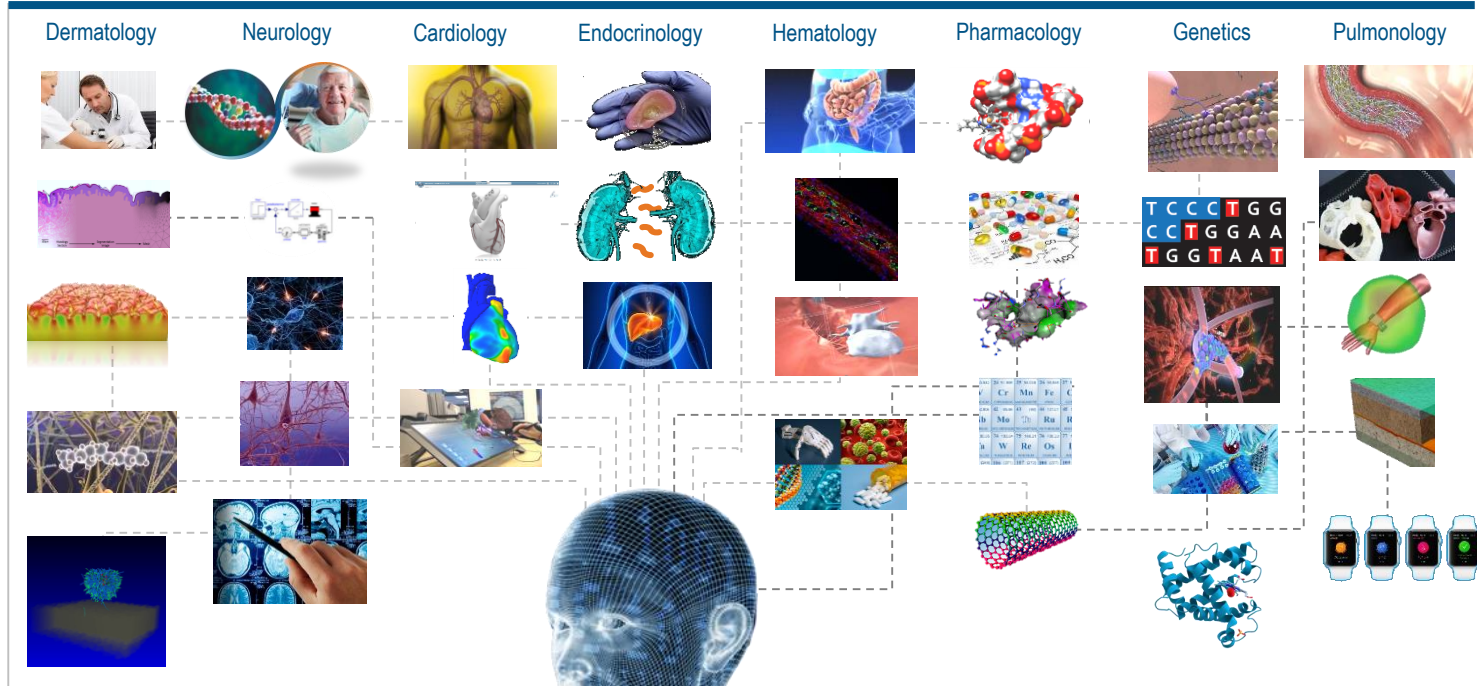
Population

Cohort

Physical
Macroscale
Continuum

Physical
Microscale
Non-Continuum

Multiscale



.../...





TODAY

Accelerate, innovate &
transform patient
experience in the age of
precision medicine

TOMORROW

The platform for life
sciences professionals,
practitioners & patients

FUTURE

Achieve sustainable health
for everyone, building value
through healthcare
transformation

